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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/889,374	07/16/2001	Masashi Nakamura	450106-02851	2674
20999	7590	01/12/2005		
FROMMER LAWRENCE & HAUG 745 FIFTH AVENUE- 10TH FL. NEW YORK, NY 10151			EXAMINER PERUNGAVOOR, VENKATANARAY	
			ART UNIT 2132	PAPER NUMBER

DATE MAILED: 01/12/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/889,374	Applicant(s) NAKAMURA ET AL.	
	Examiner Venkatanarayanan Perungavoor	Art Unit 2132	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 July 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 July 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections – 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

2. Claim 1-18 rejected under 35 U.S.C. 102(a) as being anticipated by U.S. Patent No. 5977997 to Vainsencher.
3. Regarding Claim 1, The “plurality blocks and a host arithmetic operation processing block as functions necessary for processing a digital signal; a bus for connecting said host arithmetic operation processing block and said plurality of digital signal processing blocks; and means for encrypting data of a stream transferred through said bus” is met by Vainsencher see Column 2 Line 64-Column 3 Line 21 & Figure 2 (item 202, 214 and 242) .
4. Regarding Claim 2 and 11, The “encrypting / decrypting means for encrypting / decrypting the data of the stream transferred through said bus” is met by Vainsencher see Column 3 Line 15-25.
5. Regarding Claim 3,8,12 and 17, The “data of the stream contains video or audio data” is met by Vainsencher see Column 4 Line 21-24 & Column 4 Line 46-48.

6. Regarding Claim 4,9,13 and 18, The “video data and / or the audio data has been compressed” is met by Vainsencher see Column 5 Line 2-8 & Column 5 Line 45-52.
7. Regarding Claim 5 and 14, The “bus is a general-purpose bus, and wherein each block connected to said bus can be added or substituted” is met by Vainsencher see Column 5 Line 32-44.
8. Regarding Claim 6, The “ plurality of digital signal processing blocks and a host arithmetic operation processing block as functions necessary for processing a digital signal; a bus for connecting said host arithmetic operation processing block and said plurality of digital signal processing blocks; an interface for an extension function providing medium connected to said bus; and means for encrypting the data of the stream that is output through said interface of the extension function providing medium when the data of the stream is transferred to the extension function providing medium through said bus” is met by Vainsencher see Column 2 Line 64- Column 3 Line 21 & Figure 2 & Column 5 Line 15-31.
9. Regarding Claim 7 and 16, The “interface of the extension function providing medium includes encrypting / decrypting means for encrypting / decrypting data

of a stream that is output through said interface of the extension function providing medium" is met by Vainsencher see Column 5 Line 15-31 & Figure 2.

10. Regarding Claim 10, The "structuring functions necessary for processing a digital signal as a plurality of digital signal processing blocks and a host arithmetic operation processing block; connecting the host arithmetic operation processing block and the plurality of digital signal processing blocks through the bus; and encrypting data of a stream transferred through the bus" is met by Vainsencher see Column 2 Line 64- Column 3 Line 21 & Figure 2.

11. Regarding Claim 15, The "structuring functions necessary for processing a digital signal as a plurality of digital signal processing blocks and a host arithmetic operation processing block; connecting the host arithmetic operation processing block and the plurality of digital signal processing blocks through a bus; providing an interface for an extension function providing medium connected to the bus; and encrypting the data of the stream that is output through the interface of the extension function providing medium when the data of the stream is transferred to the extension function providing medium through the bus" is met by Vainsencher see Column 2 Line 64- Column 3 Line 21 & Figure 2 & Column 5 Line 15-31.

Conclusion

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15. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following patents are cited to further show the state of art in general:

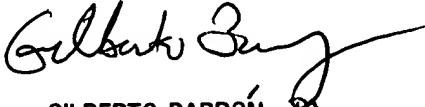
U.S. Patent No. 5513262 to van Rumpt et al.

U.S. Patent No. 5455862 to Hoskinson

16. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Venkatanarayanan Perungavoor whose telephone number is 571-272-7213. The examiner can normally be reached on 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


GILBERTO BARRON
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

Venkatanarayanan Perungavoor

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Examiner
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VP
12/28/04